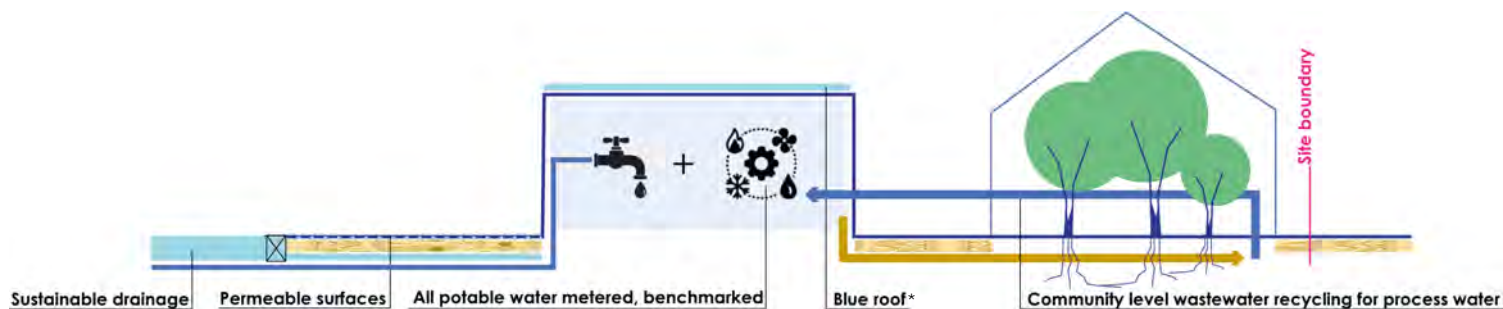


Net Positive Water



*A blue roof is a roof designed for the retention and storage of rainwater above the waterproofing element of the roof



Example of food chain reactor for onsite wastewater treatment and recycling, that is odourless and contributes an indoor garden to light industrial Technopark (source Organica)

100% of potable water consumption is reduced, metered and benchmarked. Wastewater is treated and recycled on site for servicing and industrial processes, and irrigation.

Business as usual: Efficient use of potable water is currently only regulated in the context of residential development. Additional measures to conserve water are driven by planning policy and third-party certification schemes, which extend the scope to optional rainwater harvesting, greywater recycling and sustainable water management. Non-residential and process water are not regulated or benchmarked in the UK and wastewater is taken off site to natural watercourses, or treatment plants via public sewers.

Cambridge Science Park North (CSPN): The proposal introduces a number of water resource innovations that address the Climate Emergency and the serious level of water stress in Greater Cambridgeshire. Measures will be in place to reduce potable water consumption (water efficient fittings and equipment, leak and presence detection), to benchmark all water uses including process water, to harvest rainwater and to recycle wastewater on site. The wastewater plant proposed is an odourless food chain reactor that contributes an indoor garden to the site (images). A recycled water network will feed process and irrigation needs, further reducing demand and altogether resulting in a net positive water cycle.

